TA-AV661

SERVICE MANUAL

US Model



This amplifier incorporates the Dolby Pro Logic Surround system.

Manufactured under license from Dolby Laboratories Licensing Corporation.

"Dolby," the double-D symbol and

"Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads both channels driven, from 50 - 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.9 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power output

140 W + 140 W (front, at rear/center/woofer off at 1 kHz, 0.9 % T.H.D., 8 ohms) 30 W + 30 W (rear, at front/center/woofer off at 1 kHz, 8 ohms)

MICROFILM

off at 1 kHz, 8 ohms)
45 W (center, at front/
rear/woofer off at
1 kHz, 6 ohms)
60 W (woofer, at front/
rear/center off at
40 Hz, 4 ohms)

SPECIFICATIONS

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		יע	J١	3

	Sensitivity	Impedance
PHONO	2.5 mV	50 kilohms
CD	400 mV	F0
TAPE, VIDEO 1, 2, 3, 4, TUNER	250 mV	50 kilohms

Outputs TAPE REC OUT VIDEO

1, VIDEO 2: Voltage

250 mV, Impedance
1 kilohms

HEADPHONES: Accepts
low and high

low and high impedance headphones

Graphic equalizer ±10 dB at 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz

Video section

inputs VIDEO 1, 2, 3, 4: 1 Vp-p 75 ohms

Outputs VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms

General

Power 120 V AC, 60 Hz requirements

Power 270 W consumption

AC outlets 3 switched, total 120 W

Dimensions $430 \times 160 \times 355 \text{ mm}$ $(16^{15}/16 \times 6^{5}/16 \times 14)$

inches)

Mass (Approx.) 9.5 kg (20 lb 15 oz)

Supplied Remote controller accessories (remote) (1)

Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

AV CONTROL INTEGRATED AMPLIFIER SONY ®

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

[Lighting of all FLs and LEDs]

While pressing 3 button, connect the power supply plug to the outlet, the FL tubes and LEDs light up.

[Key Check]

0 - -4: - -

With all the FLs and LEDs lit, when the 3 button and WOOFER ON/OFF button are pressed simultaneously, "SET **" is displayed.

When the 3 button and WOOFER ON/OFF button are pressed simultaneously again, the Key Check mode is set and "KEY 0" is displayed.

Each time a button other than POWER is pressed, the display will count up to "KEY 30".

A button already pressed will not be counted when pressed again.

When the button is pressed for the 31st time, "AMP" is displayed and the key check mode is ended.

Note: The ** of "SET **" differs according to the version of the microprocessor.

To exit the test mode, press the POWER button.

Abbreviation

FL: Fluorescent Indicator Tube

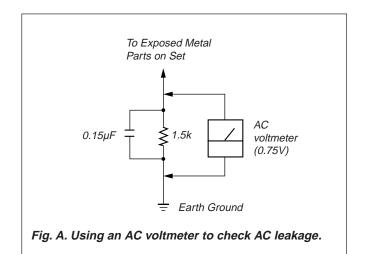
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

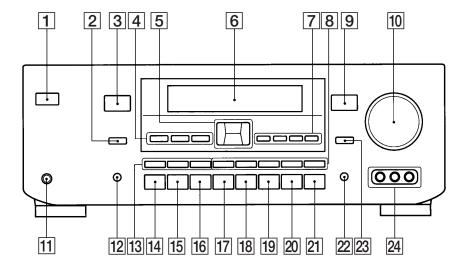
- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SECTION 2 GENERAL

This section is extracted from instruction manual.

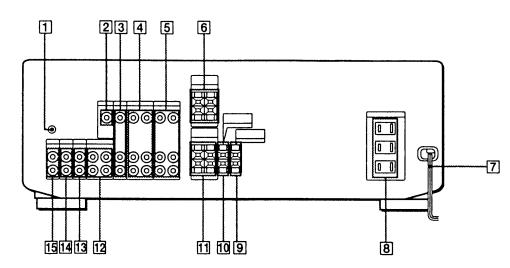
FRONT PANEL



- 1 POWER button
- 2 CENTER MODE button
- 3 DOLBY PRO LOGIC indicator
- 4 SURROUND MODE buttons (DOLBY, HALL, SIMULATED)
- $\boxed{5} \triangleleft / \triangleright / \triangle / \triangledown / \text{ button}$
- 6 Display Window
- 7 CONTROL MODE buttons
 (EQ, CENTER, REAR, WOOFER)
- 8 Numeric buttons (1-5)
- 9 SUPER WOOFER indicator
- 10 MASTER VOLUME knob
- 11 HEADPHONES jack
- 12 DISPLAY button

- 13 PRESET MODE buttons
 (MEMORY, USER, SOUND FIELD)
- 14 VIDEO 1 button
- 15 VIDEO 2 button
- 16 VIDEO 3 button
- 17 VIDEO 4 button
- 18 TAPE button
- 19 CD button
- 20 TUNER button
- 21 PHONO button
- 22 EQ FLAT button
- 23 WOOFER ON/OFF button
- 24 VIDEO 4 INPUT jack (VIDEO, AUDIO L/R)

REAR PANEL

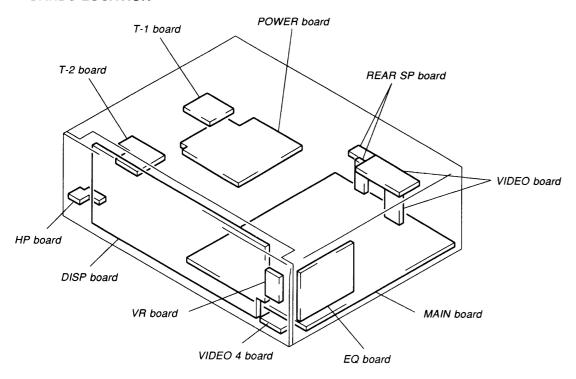


- 1 h ground terminal
- 2 MONITOR
- 3 VIDEO 3
- 4 VIDEO 2
- 5 VIDEO 1

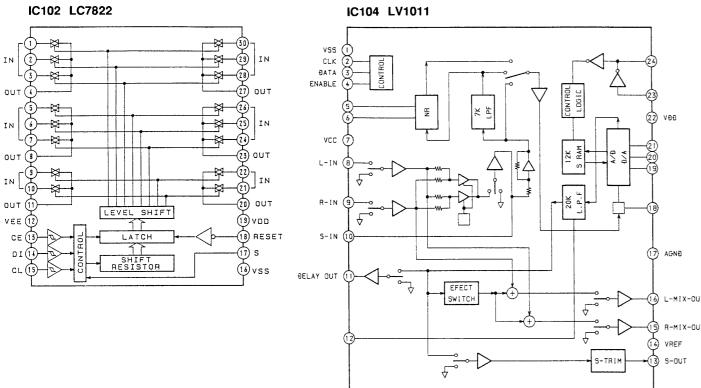
- 6 REAR SPEAKERS
- 7 AC power cord
- 8 SWITCHED AC OUTLET
- **9** WOOFER SPEAKER
- 10 CENTER SPEAKER
- [1] FRONT SPEAKERS
- 12 TAPE
- 13 CD
- 14 TUNER
- 15 PHONO

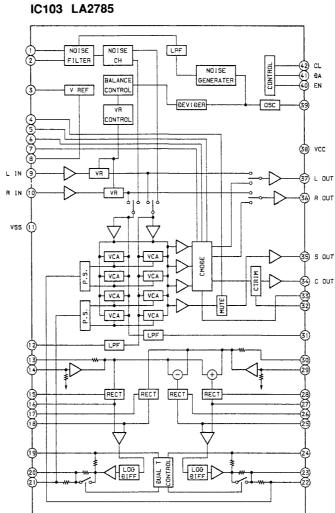
SECTION 2 DIAGRAMS

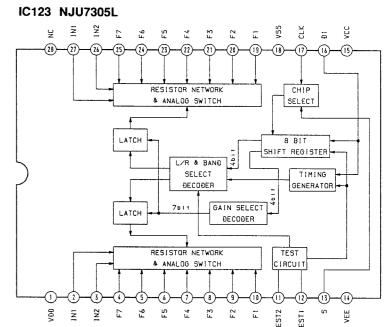
2-1. CIRCUIT BOARDS LOCATION

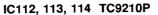


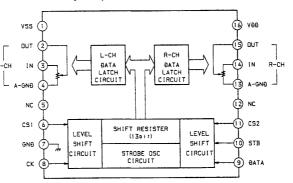
• IC BLOCK DIAGRAMS





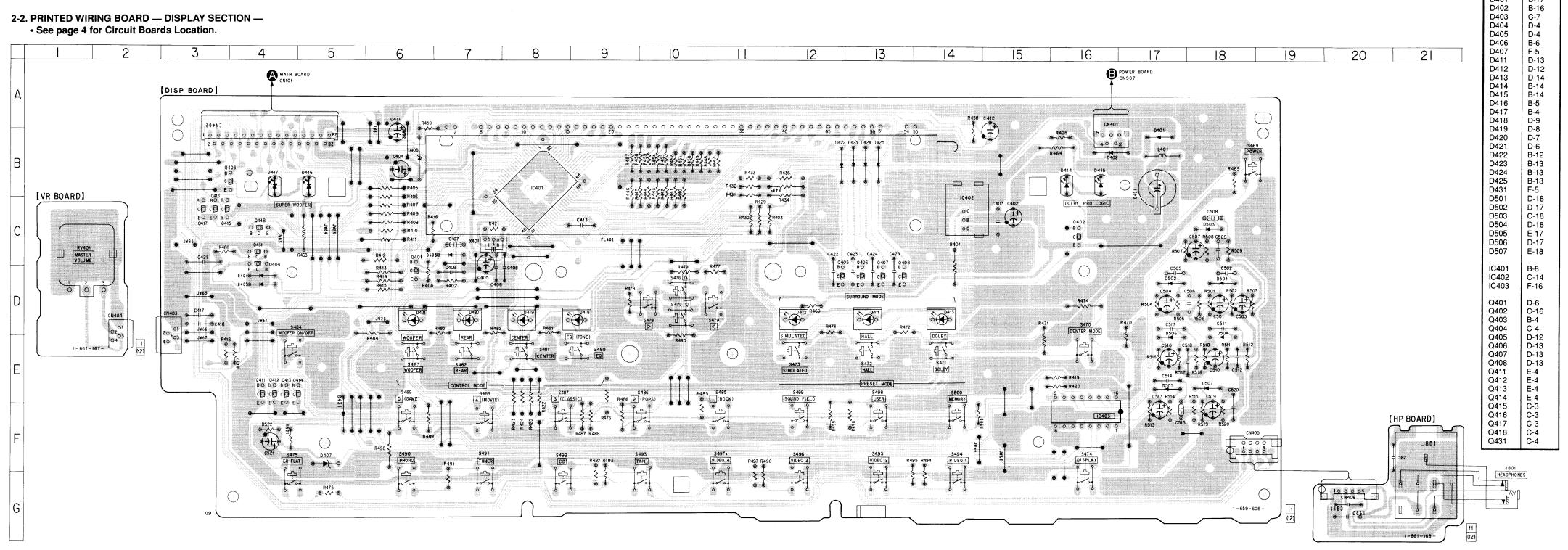






2-2. PRINTED WIRING BOARD — DISPLAY SECTION —

· See page 4 for Circuit Boards Location.



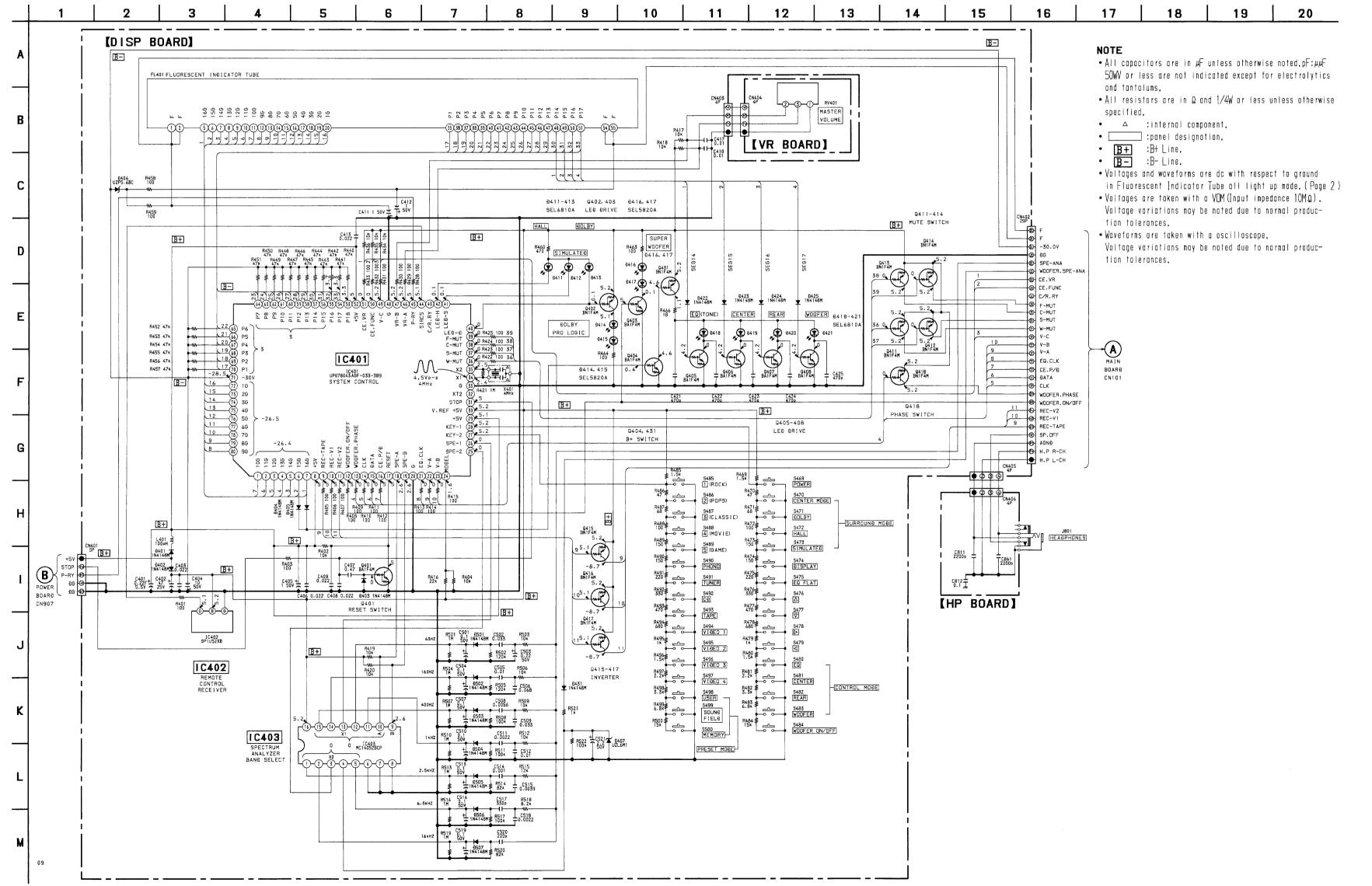
- • component side.
- Δ : internal component.
- Pattern from the side which enable seeing.

 Semiconductor Location Ref. No. Location

B-16

D401

2-3. SCHEMATIC DIAGRAM — DISPLAY SECTION —



IC Block Diagram

IC403 MC14052BCP

<u> — 11 — </u>

2-4. IC PIN FUNCTION

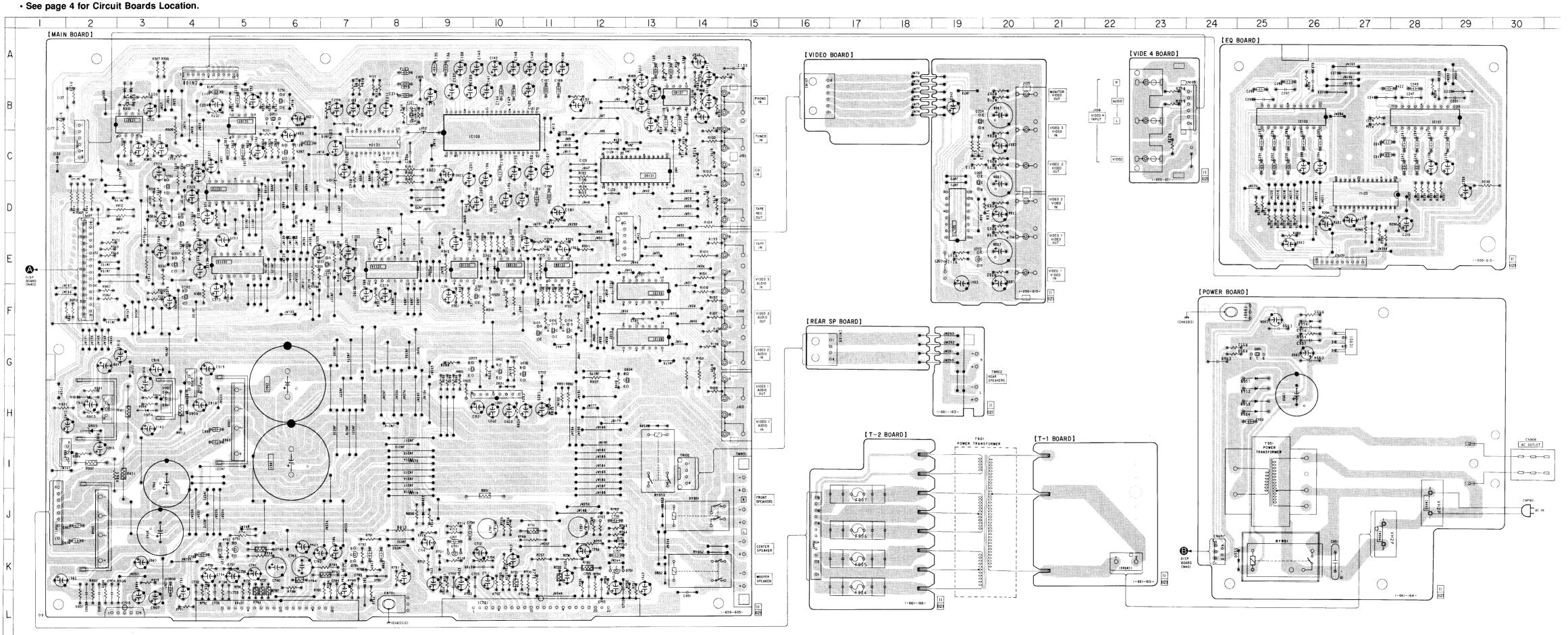
• IC401 SYSTEM CONTROL (µPD78043AGF-033-3B9)

Pin Name	I/O	Function
10G-16G	0	FL grid signal output.
+5V		+5V
REC-TAPE	0	
REC-V1	0	Audio output select signal output.
REC-V2	0	
WOOFER ON/OFF	0	Woofer ON/OFF signal output.
WOOFER PHASE	О	Woofer phase control signal output.
CLK	О	Serial clock output.
DATA	О	Serial data output.
CE. P/D	О	Serial data output.
RESET	I	Reset signal input.
SPE-A	0	Construction and all all all and all all and all all all all all all all all all al
SPE-B	0	Spectrum analyzer band select output.
G		Ground
EQ. CLK	0	Clock signal output (for IC123).
V-A	0	Video output colect signal output
V-B	0	Video output select signal output.
MODEL	I	Destination detection setting input.
SPE-2	I	Spectrum analyzer input (2.5 kHz, 6.3 kHz, 16 kHz, WOOFER)
SPE-1	I	Spectrum analyzer input (63 Hz, 160 Hz, 400 Hz, 1 kHz)
KEY-1, KEY-2	I	Key matrix input.
+5V	1 —	
VREF +5V	_	+5V
STOP	I	Power ON reset input.
XT2	I	Not used.
G		Ground
X1	I	
X2	0	X'tal (5 MHz).
W-MUT	0	
S-MUT	0	
C-MUT	0	Mute control output.
F-MUT	0	
LED-D	0	
LED-S	0	LED drive signal output.
LED-H	0	
C/R. RY	0	Not used.
	I	SIRCS signal input.
	0	Main power supply relay drive signal output.
		Volume encoder signal input.
		Ground
		Video output select signal output.
		Chip enable signal output (for IC102).
		Chip enable signal output (for IC112–114).
		+5V
		FL segment signal output.
	+	-30V for FL
1G-9G	$\frac{1}{0}$	FL grid signal output.
	+5V REC-TAPE REC-V1 REC-V2 WOOFER ON/OFF WOOFER PHASE CLK DATA CE. P/D RESET SPE-A SPE-B G EQ. CLK V-A V-B MODEL SPE-2 SPE-1 KEY-1, KEY-2 +5V VREF +5V STOP XT2 G X1 X2 W-MUT S-MUT C-MUT F-MUT LED-D LED-S LED-H C/R. RY SIRCS P-RY VR-A, VR-B G V-C CE FUNC CE FUNC CE VR +5V	#5V — REC-TAPE O REC-V1 O REC-V1 O REC-V2 O WOOFER ON/OFF O WOOFER PHASE O CLK O DATA O CE. P/D O RESET I SPE-A O SPE-B O G — EQ. CLK O V-A O V-B O MODEL I SPE-2 I SPE-1 I KEY-1, KEY-2 I F5V — VREF +5V — STOP I XT2 I G — X1 X2 O W-MUT O S-MUT O C-MUT O C

FL: Fluorescent Indicator Tube

2-5. SCHEMATIC DIAGRAM — MAIN SECTION — • See page 4 for IC Block Diagrams. (IC102-104, 112-114, 123) 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 [VIDEO 4 BOARD] [VIDEO BOARD] SN761250N VIBED OUT VIBED IN [MAIN BOARD] VIDED 4 INPUT IC125 VIĐEO INPUT - J103 R108 1k 220 1000p • All capacitors are in μF unless otherwise noted.pF:μμF V1ĐEO 2 IC120 IC104 16 C335 R202 ≸ 4.7 50v 75 IC102 AUDIO INPUT SELECTOR AUĐIO IN RIOS SILO AUDIO OUTPUT SELECTOR (L-CH) VIĐEO IN 50WV or less are not indicated except for electrolytics IC103 11 V19E0 IN V19E0 IN V19E0 1 V19E0 1 V19E0 1 V19E0 1 V19E0 1 VIĐEO 2 SELECTOR #121 5123 4.7k 8.01 BOLBY PRO LOGIC SURROUND PROCESSOR • All resistors are in Q and 1/4W or less unless otherwise VIĐEO 3 +1 C337 4.7 50V 75 IC121 AUĐIO IN ● ② ③ ⑤ ⑤ CN105 \(\text{:internal component.} \) TAPE IN • ______:nonflammable resistor. R211 100 1.2 R212 100 \$\frac{1}{2}\$ \$\frac{1}{2}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$\frac{1}{1000}\$ \$\frac{1}{6}\$ \$:panel designation. TAPE REC OUT Source Source PHOME TOWER OF THE Note:The components identified by mark 🛧 or dotted α α α C102 0.1 line with mark \Lambda are critical for safety. VSS CLOCK BATA LATCH LATCH LIN LY SIN RY REVIN REVIN 4.5 4.75 4.5 4.75 4.5 4.75 4.5 4.75 4.5 4.75 4.5 4.75 CĐ IN Replace only with part number specified. 1234567890000005¹ 8270 - 10000 -• B+ :B+ Line. • B- :B- Line. C205 0.1 IN | C101 | PHONO AMP • Voltages and waveforms are dc with respect to ground IC101 in Fluorescent Indicator Tube all light up mode. (Page 2) IC122 • Voltages are taken with a VOM (Input impedance 10MQ). W N - N 4 PHONO GRAPHIC EQUALIZER (R-CH) Voltage variations may be noted due to normal produc-4.6Vp-p 8MHz tion tolerances. TUNER • Waveforms are taken with a oscilloscope. IET | IC108 IC109 IC110 Voltage variations may be noted due to normal produc-1C301 (1/2) I C301 (2/2) CĐ IN tion tolerances. S. WOOFER SPECTRUM ANALYZER AMP H0 50V H2/184 • Signal path, FRONT TAPE REC OUT R3D2≢ R314 | C109 | C315 | C310 | C315 | C310 | C3 02 bk R304 R304 R304 6.8k ZZ BH ZZ 0104 BA1F4M BB.7 R293 ≢ 820 ≢ 10 504 C307 THO 500 INSZ18AF TO 10 STORY 10 STOR ₩ :WOOFER TAPE IN ([E | E | E | IC123 ELECTRONIC VOLUME R352 ≱ R353IC10B CENTER B--M5218AP VIĐEO 3 -8.8 [EQ BOARD] REAR (SURROUND) AUĐIO IN Q231, 281 OBFB SWITCH 8.7 2 VIĐED 2 TUC CIGUA 9301 9302 1N4148M 1N4148M VIĐEO 2 B+1 AUÐID IN B+ Q106 BA)F4M VIĐEO 1 VIĐEO 1 AUĐIO IN R387≱ 11, C381 C380 C379 C381 C380 C379 C382 C380 C379 B-• IC Block Diagrams R385 2.2k W 0.7 R386 NO PORT OF THE PROPERTY IC125 SN761200N 0 R382 2.2k 0.7 P383 255.3623A R381 R383 10k HUTE 100k VOLUME (REAR/CENTER) Vess (New Park) | C701 | R701 | C703 | R716 -8.8 0 0 5 9 L) 8 C373 1 10 0 0.1 T T25V T+50V 0333 0.47 2SC3623A 50V T+ MUTE © C/R-RY C378+1 SoV 个 C.MUTE 3 R964 100 V-B 1 R966 100 V-Lo-6-D-0.7 R336 10k 10k R3355 R3355 R3364 R3464 R R813 R811 8. 390 1/2W W R812 820 **** IC821 µPC1237HA REC-OUT SPEAKER OFFSET DET Ð851 1N4148M F. NUTE C. NUTE S. NUTE 4. NUTE LATCH/ AUTORESET +1 C714 T 220 10V RY852 [POWER BOARD] **⚠** ^{R851} I C901 ----C919 + 2502 25 25 25 25 25 25 25 **25** 10951 L78MR06 **★**0909 + C918 BESET RESET CB ₩ 9852 1N4148M 10702 (1/2) STK4172MK2 IC821 R827 10k RY853 IC951 L78MR06 ↑ ¥£ 0 _____ CN102 + 13 + - - + — ,_, <u>• • • • • • — </u> B+ C734 C735 START VIOL PROTECTOR CM906 CM906 AC OUTLET 9853 1N4148M 40 R O 1N4148N \$ \$22k 9781 8.5 25C1841 P789 \$ 22k + C784 R784 R785 C786 2 25v W 2.2x 7+50v REAR SPEAKERS 0824 2902785 [REAR SP BOARD] VD DETECTOR POWER AMP (CENTER) [T-1 BOARD]

2-6. PRINTED WIRING BOARD — MAIN SECTION —



Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301 D302 D303 D304 D701 D702 D731 D751 D781 D821	E-10 E-10 B-3 B-3 K-9 G-11 K-5 J-12 K-8 G-10	IC122 IC123 IC125 IC170 IC301 IC701 IC702 IC703 IC821 IC951	B-26 D-27 D-19 F-13 B-3 L-10 L-5 L-3 H-10 G-27
D822 D851 D852 D853 D901 D902 D903 D904 D905 D909 D951 D952 D953 D954 D955 D956	J-8 H-13 K-13 J-13 H-5 J-2 H-2 H-3 H-2 H-4 G-25 H-25 H-25 H-25 K-25 F-26	Q104 Q105 Q106 Q201 Q202 Q203 Q204 Q231 Q281 Q301 Q331 Q332 Q333 Q381 Q382	F-11 F-11 F-11 B-6 E-19 C-19 B-19 B-6 C-6 F-10 D-3 E-4 E-7 D-4 F-4
IC101 IC102 IC103 IC104 IC107 IC108 IC109 IC110 IC112 IC113 IC114 IC120 IC121	B-13 C-13 C-10 C-8 B-5 E-11 E-10 E-9 D-5 E-5 E-8 G-13 B-28	Q701 Q731 Q751 Q751 Q821 Q822 Q823 Q824 Q901 Q902 Q903 Q909 Q951	K-9 K-5 K-12 K-7 G-10 G-9 G-12 H-2 H-3 I-1 G-4 G-25

Note

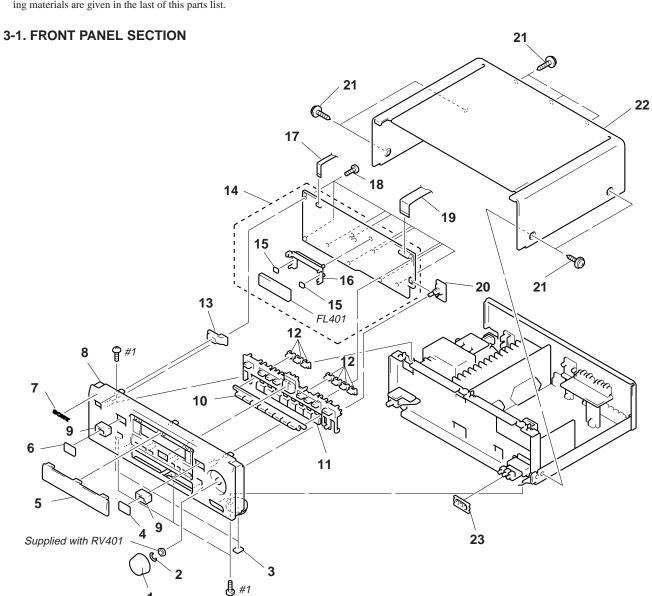
- • : parts extracted from the component side.
- Δ : internal component.
- Pattern from the side which enable seeing.

SECTION 3 EXPLODED VIEWS

NOTE:

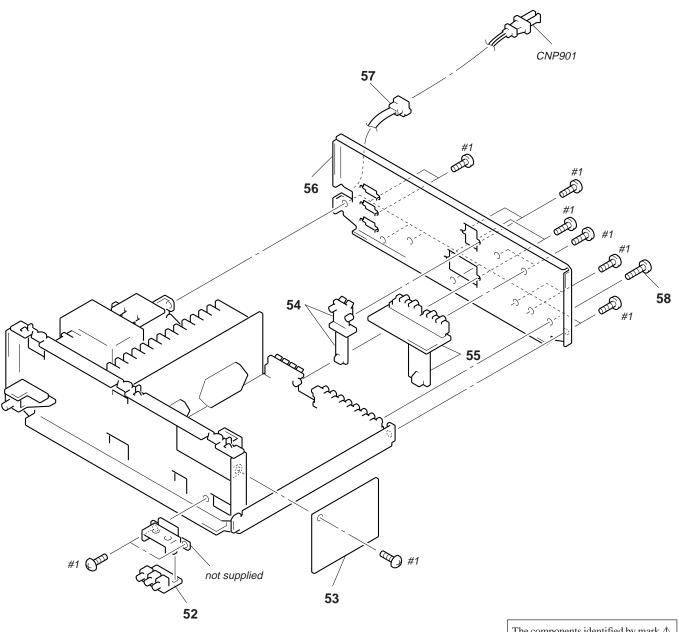
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.



Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
1	4-980-107-01	KNOB (VOL)		13	4-979-936-01	BUTTON (P-T)	
2	3-350-426-01	SPRING, RING		* 14	A-4389-305-A	DISP BOARD, COMPLETE	
3	4-977-358-11	CUSHION (8X12.5)		* 15	4-921-941-01	CUSHION (FL)	
4	4-979-937-11	FILTER					
5	4-979-942-21	WINDOW		* 16	4-971-014-11	HOLDER, FL TUBE	
				17	1-769-867-11	WIRE (FLAT TYPE) (5 CORE)	
6	4-979-937-01	FILTER		18	4-951-620-01	SCREW (2.6X8), +BVTP	
7	4-963-404-21	EMBLEM (5-A), SONY		19	1-773-286-11	WIRE (FLAT TYPE) (29 CORE)	
8	4-979-934-11	PANEL, FRONT		* 20	1-661-167-11	VR BOARD	
* 9	4-982-462-01	HOUSE, LED					
10	4-980-108-01	BUTTON (PRE)		21	3-704-366-01	SCREW (CASE) (M3X8)	
				* 22	4-982-682-01	CASE (414532)	
11	4-979-930-01	BUTTON (F-8)		23	4-979-932-01	ESCUTCHEON (V)	
12	4-979-931-01	INDICATOR		FL401	1-517-513-11	INDICATOR TUBE, FLUORESCENT	

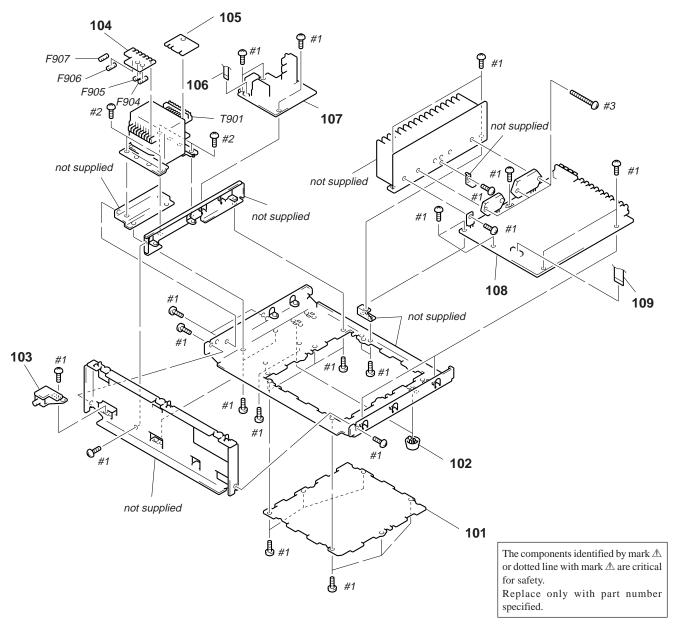
3-2. BACK PANEL SECTION



The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 52	1-659-607-11	VIDEO 4 BOARD		* 57	3-703-244-00	BUSHING (2104), CORD	
* 53	A-4389-312-A	EQ BOARD, COMPLETE		58	3-704-515-01	SCREW (BV/RING)	
* 54	1-661-163-11	REAR SP BOARD		△ CNP901	1-690-609-21	CORD, POWER	
* 55	1-659-613-11	VIDEO BOARD					
* 56	4-979-954-52	PANEL, BACK					

3-3. CHASSIS SECTION



Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	Description	Remark
* 101 102 * 103 * 104				* 108 109 <u></u>	1-773-286-11	MAIN BOARD, COMPLETE WIRE (FLAT TYPE) (29 CORE) FUSE, GLASS TUBE (6.3A 125V)	
* 105 106	1-661-165-11 1-769-867-11	T-1 BOARD WIRE (FLAT TYPE) (5 CORE)		⚠ F905 ⚠ F906 ⚠ F907	1-533-310-11 1-533-310-11	FUSE, GLASS TUBE (6.3A 125V) FUSE, GLASS TUBE (6.3A 125V) FUSE, GLASS TUBE (6.3A 125V)	
* 107	1-661-164-11	POWER BOARD		△ T901	1-429-458-11	TRANSFORMER, POWER	

DISP

SECTION 4 ELECTRICAL PARTS LIST

Note:

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS

All resistors are in ohms METAL: Metal-film resistor

METAL OXIDE: Metal Oxide-film resistor

F: nonflammable

- SEMICONDUCTORS
 In each case, u: μ , for example:
 uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
 uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS uF : μF
- COILS uH: μH

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Descrip	tion			Remark
*		-	ADI ETE		Kornark					22005	100/	
**	A-4389-305-A	DISP BOARD, CON				C517 C518	1-162-288-31 1-162-302-11			330PF 0.0022uF	10% 30%	50V 16V
						C516	1-102-302-11		IC	0.0022ur 0.1uF	20%	50V
*	4-921-941-01	CUSHION (FL)				C519	1-162-286-31		IC	220PF	10%	50V
*		HOLDER, FL TUBE	:			C520	1-124-925-11		10	2.2uF	20%	100V
	77101711	HOLDEN, LE TODE	-			0321	1-124-725-11	LLLCI		2.201	2070	100 V
		< CAPACITOR >						< CONN	IECTOR >			
C401	1-125-486-11	DOLIBLE	LAYERS	0.22F	5.5V	* CN401	1-568-848-11	SOCKET	CONNEC	TOR 5P		
C402	1-104-664-11		47uF	20%	25V	* CN402	1-568-871-11					
C403	1-161-494-00		0.022uF		25V	CN405	1-770-397-11				OARD)4	Р
C404	1-126-964-11		10uF	20%	50V				,			
C405	1-124-903-11	ELECT	1uF	20%	50V			< DIODI	E >			
C406	1-161-494-00	CERAMIC	0.022uF		25V	D401	8-719-987-63	DIODE	1NI/11/2N/			
C407	1-136-173-00		0.47uF	5%	50V	D401	8-719-987-63					
C408	1-161-494-00		0.022uF	070	25V	D403	8-719-987-63					
C409	1-161-494-00		0.022uF		25V	D404	8-719-987-63					
C411	1-124-903-11		1uF	20%	50V	D405	8-719-987-63					
C412	1-124-903-11	ELECT	1uF	20%	50V	D406	8-719-014-73	DIODE	UZP-5.6B0	C-TP		
C413	1-161-494-00	CERAMIC	0.022uF		25V	D407	8-719-933-36	DIODE	HZS6B1L			
C417	1-162-306-11	CERAMIC	0.01uF	30%	16V	D411	8-719-301-49	DIODE	SEL2810A	(HALL)		
C418	1-162-306-11		0.01uF	30%	16V	D412	8-719-301-49			•	ED)	
C421	1-162-290-31	CERAMIC	470PF	10%	50V	D413	8-719-301-49	DIODE	SEL2810A	(DOLBY)		
C422	1-162-290-31	CERAMIC	470PF	10%	50V	D414	8-719-032-98	DIODE	SEL 5820A	(DOLBY PE	ROLOGIO	<u>.)</u>
C423	1-162-290-31		470PF	10%	50V	D415	8-719-032-98			`		,
C424	1-162-290-31		470PF	10%	50V	D416	8-719-032-98					-,
C425	1-162-290-31		470PF	10%	50V	D417	8-719-032-98			`	,	
C501	1-126-956-91	ELECT	0.1uF	20%	50V	D418	8-719-301-49				,	
0500	1 120 400 00	MAZIAD	0.022	F0/	F0\/	D410	0 710 201 40	DIODE	CEL 2010A	(CENTED)		
C502 C503	1-130-489-00 1-124-464-11		0.033uF 0.22uF	5% 20%	50V 50V	D419 D420	8-719-301-49					
C503	1-124-404-11		0.22ur 0.1uF	20%	50V 50V		8-719-301-49 8-719-301-49			` '		
C504	1-120-930-91		0.1uF 0.01uF	5%	50V 50V	D421 D422	8-719-301-49			(WOOFER)		
C505	1-130-483-00		0.01uF 0.068uF	5% 5%	50V 50V	D422 D423	8-719-987-63					
C300	1-130-493-00	WITLAK	0.00001	370	30 V	D423	0-719-907-03	DIODE	1114 140111			
C507	1-126-956-91	ELECT	0.1uF	20%	50V	D424	8-719-987-63	DIODE	1N4148M			
C508	1-130-480-00	MYLAR	0.0056uF	5%	50V	D425	8-719-987-63	DIODE	1N4148M			
C509	1-130-489-00	MYLAR	0.033uF	5%	50V	D431	8-719-987-63	DIODE	1N4148M			
C510	1-126-956-91	ELECT	0.1uF	20%	50V	D501	8-719-987-63	DIODE	1N4148M			
C511	1-162-302-11	CERAMIC	0.0022uF	30%	16V	D502	8-719-987-63	DIODE	1N4148M			
C512	1-130-483-00	MYLAR	0.01uF	5%	50V	D503	8-719-987-63	DIODF	1N4148M			
C513	1-126-956-91		0.1uF	20%	50V	D504	8-719-987-63					
C514	1-162-294-31		0.001uF	10%	50V	D505	8-719-987-63					
C515	1-130-478-00	MYLAR	0.0039uF	5%	50V	D506	8-719-987-63	DIODE	1N4148M			
C516	1-126-956-91	ELECT	0.1uF	20%	50V	D507	8-719-987-63	DIODE	1N4148M			
						1						



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
		•	NIT INIDIOATOD						414	F0/		
		< FLUURESCE	NT INDICATOR	>		R421	1-247-903-00		1M	5%	1/4W	
						R422	1-247-807-31		100	5%	1/4W	
FL401	1-517-513-11	INDICATOR TO	JBE, FLUORESC	ENT		R423	1-247-807-31		100	5%	1/4W	
						R424	1-247-807-31	CARBON	100	5%	1/4W	
		< IC >				R425	1-247-807-31	CARBON	100	5%	1/4W	
IC401	8-759-366-87	IC uPD78043	AGF-033-3B9			R428	1-247-807-31	CARBON	100	5%	1/4W	
IC402	8-749-920-83	IC GP1U52XI	3			R429	1-247-807-31		100	5%	1/4W	
IC403		IC MC14052I				R430	1-247-807-31		100	5%	1/4W	
10100	0 707 000 10	10 1010110021	301			R431	1-247-807-31		100	5%	1/4W	
		< COIL >				R432	1-247-807-31		100	5%	1/4W	
		< COIL >				1(432	1-247-007-31	CANDON	100	370	17400	
L401	1-410-521-11	INDUCTOR 1	00uH			R433	1-247-807-31	CARBON	100	5%	1/4W	
						R434	1-249-429-11	CARBON	10K	5%	1/4W	
		< TRANSISTO	R >			R435	1-249-429-11	CARBON	10K	5%	1/4W	
						R436	1-249-429-11		10K	5%	1/4W	
Q401	8-729-900-36	TRANSISTOR	DTC124FS			R440	1-249-437-11		47K	5%	1/4W	
Q402		TRANSISTOR				11440	1 2 7 7 7 7 1 1	ONNEON	4710	370	17 7 8 8	
		TRANSISTOR				D//1	1 240 427 11	CADDON	47K	5%	1/4W	
Q403						R441	1-249-437-11					
Q404		TRANSISTOR				R442	1-249-437-11		47K	5%	1/4W	
Q405	8-729-900-36	TRANSISTOR	DTC124ES			R443	1-249-437-11		47K	5%	1/4W	
						R444	1-249-437-11	CARBON	47K	5%	1/4W	
Q406	8-729-900-36	TRANSISTOR	DTC124ES			R445	1-249-437-11	CARBON	47K	5%	1/4W	
Q407	8-729-900-36	TRANSISTOR	DTC124ES									
Q408	8-729-900-36	TRANSISTOR	DTC124ES			R446	1-249-437-11	CARBON	47K	5%	1/4W	
Q411		TRANSISTOR				R447	1-249-437-11		47K	5%	1/4W	
Q412		TRANSISTOR				R448	1-249-437-11		47K	5%	1/4W	
Q+12	0-727-700-03	TRANSISTOR	DIAIZTES			R449	1-249-437-11		47K	5%	1/4W	
0412	0.720.000.42	TRANSISTOR	DTA124FC									
Q413						R450	1-249-437-11	CARBON	47K	5%	1/4W	
Q414		TRANSISTOR										
Q415		TRANSISTOR				R451	1-249-437-11		47K	5%	1/4W	
Q416		TRANSISTOR				R452	1-249-437-11	CARBON	47K	5%	1/4W	
Q417	8-729-900-63	TRANSISTOR	DTA124ES			R453	1-249-437-11	CARBON	47K	5%	1/4W	
						R454	1-249-437-11	CARBON	47K	5%	1/4W	
Q418	8-729-900-63	TRANSISTOR	DTA124ES			R455	1-249-437-11	CARBON	47K	5%	1/4W	
Q431	8-729-900-63	TRANSISTOR	DTA124ES									
						R456	1-249-437-11	CARBON	47K	5%	1/4W	
		< RESISTOR >				R457	1-249-437-11		47K	5%	1/4W	
		· NEOIOTOIC >				R458	1-247-807-31		100	5%	1/4W	
R401	1-247-807-31	CADDON	100	5%	1/4W	R459	1-247-807-31		100	5%	1/4W	
	1-249-429-11		10K	5%					470	5%	1/4W	г
R402					1/4W	R460	1-249-413-11	CARBON	470	5%	1/4 VV	Г
R403	1-247-807-31		100	5%	1/4W	5446		0.00001	400	=0.		
R404	1-249-429-11		10K	5%	1/4W	R463	1-247-807-31		100	5%	1/4W	
R405	1-247-807-31	CARBON	100	5%	1/4W	R464	1-247-807-31		100	5%	1/4W	
						R466	1-249-396-11	CARBON	18	5%	1/4W	
R406	1-247-807-31	CARBON	100	5%	1/4W	R469	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R407	1-247-807-31	CARBON	100	5%	1/4W	R470	1-249-401-11	CARBON	47	5%	1/4W	F
R408	1-247-807-31	CARBON	100	5%	1/4W							
R409	1-247-807-31		100	5%	1/4W	R471	1-249-403-11	CARBON	68	5%	1/4W	F
R410	1-247-807-31		100	5%	1/4W	R472	1-247-807-31		100	5%	1/4W	•
11410	1-247-007-31	CARDON	100	370	17-7-00	R473	1-249-407-11		150	5%	1/4W	г
D411	1 047 007 01	CADDON	100	F0/	1/4\\/	1						
R411	1-247-807-31		100	5%	1/4W	R474	1-249-407-11		150	5%	1/4W	
R412	1-247-807-31		100	5%	1/4W	R475	1-249-409-11	CARBON	220	5%	1/4W	ŀ
R413	1-247-807-31		100	5%	1/4W							
R414	1-247-807-31	CARBON	100	5%	1/4W	R476	1-249-411-11		330	5%	1/4W	
R415	1-247-807-31	CARBON	100	5%	1/4W	R477	1-249-413-11	CARBON	470	5%	1/4W	F
						R478	1-249-415-11	CARBON	680	5%	1/4W	F
R416	1-249-433-11	CARBON	22K	5%	1/4W	R479	1-249-417-11		1K	5%	1/4W	
R417	1-249-429-11		10K	5%	1/4W	R480	1-249-419-11		1.5K	5%	1/4W	
R418	1-249-429-11		10K	5%	1/4W	11.150	. 217 117 11	JDOIY	1.010	0,0	17 1 4 4	•
R419	1-249-429-11		10K	5%	1/4W	R481	1-249-421-11	CARRON	2.2K	5%	1/4W	F
											1/4W	
R420	1-249-429-11	CARBUN	10K	5%	1/4W	R482	1-249-423-11	CARBUN	3.3K	5%	1/4VV	Γ

DISP EQ

Ref. No.	Part No.	<u>Description</u>			Remark		Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R483	1-249-427-11	CARBON	6.8K	5%	1/4W	F	S479	1-554-303-21	SWITCH, TACTILE	(⊲)		
R484	1-249-431-11	CARBON	15K	5%	1/4W		S480	1-554-303-21	SWITCH, TACTILE	(EQ)		
R485	1-249-419-11	CARBON	1.5K	5%	1/4W	F	S481	1-554-303-21	SWITCH, TACTILE	(CENTER)		
							S482	1-554-303-21	SWITCH, TACTILE	(REAR)		
R486	1-249-401-11	CARBON	47	5%	1/4W	F	S483	1-554-303-21	SWITCH, TACTILE	(WOOFER)		
R487	1-249-403-11		68	5%	1/4W	F						
R488	1-247-807-31	CARBON	100	5%	1/4W		S484		SWITCH, TACTILE		N/OFF)	
R489	1-249-407-11		150	5%	1/4W		S485		SWITCH, TACTILE			
R490	1-249-407-11	CARBON	150	5%	1/4W	F	S486		SWITCH, TACTILE	` ` '//		
							S487		SWITCH, TACTILE			
R491	1-249-409-11		220	5%	1/4W	F	S488	1-554-303-21	SWITCH, TACTILE	(4 (MOVIE))		
R492	1-249-411-11		330	5%	1/4W	_	0.400	4 554 000 04	014/17011 74.0711 5	(F (OALAE))		
R493	1-249-413-11		470	5%	1/4W		S489		SWITCH, TACTILE			
R494	1-249-415-11		680	5%	1/4W		S490		SWITCH, TACTILE	,		
R495	1-249-417-11	CARBON	1K	5%	1/4W	r	S491 S492		SWITCH, TACTILE SWITCH, TACTILE	` '		
R496	1-249-419-11	CADRON	1.5K	5%	1/4W	С	S492 S493		SWITCH, TACTILE			
R490 R497	1-249-419-11		2.2K	5%	1/4W		3493	1-004-000-21	SWITCH, TACTILE	(IAPE)		
R497 R498	1-249-421-11		3.3K	5%	1/4W		S494	1_55/_303_21	SWITCH, TACTILE	(VIDEO 1)		
R499	1-249-427-11		6.8K	5%	1/4W		S495		SWITCH, TACTILE			
R500	1-249-431-11		15K	5%	1/4W	'	S496		SWITCH, TACTILE			
11300	1 247 431 11	OTTEDOT	1010	370	17 7 8 8		S497		SWITCH, TACTILE	,		
R501	1-247-903-00	CARBON	1M	5%	1/4W		S498		SWITCH, TACTILE			
R502	1-247-881-00		120K	5%	1/4W		0170	. 00. 000 2.	01111011, 11101122	(002.1)		
R503	1-249-429-11		10K	5%	1/4W		S499	1-554-303-21	SWITCH, TACTILE	(SOUND FIE	LD)	
R504	1-247-903-00	CARBON	1M	5%	1/4W		S500		SWITCH, TACTILE		,	
R505	1-247-881-00	CARBON	120K	5%	1/4W							
									< VIBRATOR >			
R506	1-249-429-11	CARBON	10K	5%	1/4W							
R507	1-247-903-00		1M	5%	1/4W		X401	1-577-101-11	VIBRATOR, CERAN	ЛІС (4MHz)		
R508	1-249-441-11	CARBON	100K	5%	1/4W							
R509	1-249-429-11		10K	5%	1/4W		******	******	*******	******	*****	*****
R510	1-247-903-00	CARBON	1M	5%	1/4W							
							*	A-4389-312-A	EQ BOARD, COMP			
R511	1-249-441-11		100K	5%	1/4W				*****	****		
R512	1-249-429-11		10K	5%	1/4W				CADACITOD			
R513	1-247-903-00		1M	5%	1/4W				< CAPACITOR >			
R514 R515	1-249-440-11 1-249-430-11		82K 12K	5% 5%	1/4W 1/4W		C220	1-162-294-31	CEDAMIC	0.001uF	10%	50V
KOIO	1-249-430-11	CARDON	IZN	370	1/4 VV		C220	1-162-294-31		0.001uF 0.01uF	30%	16V
R516	1-247-903-00	CARRON	1M	5%	1/4W		C222	1-162-306-11		0.01uF	30%	16V
R517	1-249-441-11		100K	5%	1/4W		C235	1-130-493-00		0.068uF	5%	50V
R518	1-249-428-11		8.2K	5%	1/4W	F	C236	1-124-903-11		1uF	20%	50V
R519	1-247-903-00		1M	5%	1/4W							
R520	1-249-440-11		82K	5%	1/4W		C237	1-130-488-00	MYLAR	0.027uF	5%	50V
							C238	1-124-902-00	ELECT	0.47uF	20%	50V
R521	1-249-417-11	CARBON	1K	5%	1/4W	F	C239	1-130-483-00	MYLAR	0.01uF	5%	50V
R522	1-249-441-11	CARBON	100K	5%	1/4W		C240	1-130-498-00	MYLAR	0.18uF	5%	50V
							C241	1-130-478-00	MYLAR	0.0039uF	5%	50V
		< SWITCH >										
							C242	1-130-493-00		0.068uF	5%	50V
S469	1-554-303-21	SWITCH, TACTILE	. ,				C243	1-130-474-00		0.0018uF	5%	50V
S470		SWITCH, TACTILE	•	ODE)			C244	1-130-489-00		0.033uF	5%	50V
S471	1-554-303-21		` '				C245	1-162-292-31		680PF	10%	50V
S472	1-554-303-21		. ,	D)			C246	1-130-484-00	IVIYLAR	0.012uF	5%	50V
S473	1-554-303-21	SWITCH, TACTILE	(SIMULATE	U)			0047	1 1/0 007 04	CEDANAIC	27005	100/	F0\/
C 17 1	1 554 202 24	CWITCH TACTUE	(DICDI *\/\				C247	1-162-287-31		270PF	10%	50V
S474	1-554-303-21						C248	1-130-479-00		0.0047uF	5% 20%	50V
S475 S476		SWITCH, TACTILE SWITCH, TACTILE					C250 C270	1-126-963-11 1-162-294-31		4.7uF 0.001uF	20% 10%	50V 50V
S476 S477	1-554-303-21		` '				C270 C271	1-162-294-31		0.001uF 0.01uF	30%	16V
S477		SWITCH, TACTILE					02/1	1-102-300-11	OLIVAIVIIO	J.UTUI	JU /0	101
J+10	1-004-000-21	SWITCH, IACHLE	()									



D.f.N.	David Ma	December			D		L D. C.N.	David No.	Description			Damada
Ref. No.	Part No.	Description			Remark	:	Ref. No.	Part No.	Description			Remark
C272	1-162-306-11		0.01uF	30%	16V		*	1-661-168-11	HP BOARD			
C275	1-124-907-11		10uF	20%	50V				*****			
C276	1-124-907-11		10uF	20%	50V				. CADACITOD .			
C277	1-126-961-11		2.2uF	20%	50V				< CAPACITOR >			
C285	1-130-493-00	IVIYLAR	0.068uF	5%	50V		C811	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C286	1-124-903-11	FLECT	1uF	20%	50V		C812	1-164-159-11		0.0022ui 0.1uF	3070	50V
C287	1-130-488-00		0.027uF	5%	50V		C861	1-162-302-11		0.0022uF	30%	16V
C288	1-124-902-00		0.47uF	20%	50V							
C289	1-130-483-00	MYLAR	0.01uF	5%	50V				< CONNECTOR >			
C290	1-130-498-00	MYLAR	0.18uF	5%	50V							
							CN406	1-770-388-11	PIN, CONNECTOR	(PC BOARD) 4P	
C291	1-130-478-00		0.0039uF	5%	50V							
C292	1-130-493-00		0.068uF	5%	50V				< JACK >			
C293	1-130-474-00		0.0018uF	5%	50V		1004	4 5 (0 440 44	14 OK 1 4 DOE TVD	E /UEABBU	ONEO)	
C294	1-130-489-00		0.033uF	5%	50V		J801	1-569-113-11	JACK, LARGE TYP	E (HEADPH)	JNES)	
C295	1-162-292-31	CERAIVIIC	680PF	10%	50V		ale	sile ale ale ale ale ale ale ale ale ale a	********	ale	****	ale
C296	1-130-484-00	MYI AR	0.012uF	5%	50V							
C297	1-162-287-31		270PF	10%	50V		*	A-4389-302-A	MAIN BOARD, CO	MPI FTF		
C298	1-130-479-00		0.0047uF	5%	50V			7. 1007 002 7.	*******			
C300	1-126-963-11		4.7uF	20%	50V							
								7-685-646-79	SCREW +BVTP 3X	8 TYPE2 N-	S	
		< CONNECTOR >										
* CN100	1 7// 710 11	COMMECTOR BOX		DD 10D					< CAPACITOR >			
* CN109	1-/00-/19-11	CONNECTOR, BOA	IKD TO BOA	RD IUP			C101	1-164-159-11	CEDAMIC	0.1uF		50V
		< IC >					C101	1-164-159-11		0.1uF		50V 50V
		< 10 ×					C102	1-126-163-11		4.7uF	20%	50V
IC121	8-759-633-78	IC M5289P					C116	1-162-282-31		100PF	10%	50V
IC122	8-759-633-78						C117	1-124-261-00		10uF	20%	50V
IC123		IC NJU7305L										
							C118	1-130-480-00	MYLAR	0.0056uF	5%	50V
		< RESISTOR >					C119	1-130-473-00	MYLAR	0.0015uF	5%	50V
							C120	1-126-301-11	ELECT	1uF	20%	50V
R221	1-247-895-00		470K	5%	1/4W		C121	1-124-589-11		47uF	20%	16V
R222	1-247-895-00		470K	5%	1/4W		C122	1-124-589-11	ELECT	47uF	20%	16V
R223	1-247-895-00		470K	5%	1/4W							
R224	1-247-895-00		470K	5%	1/4W		C123	1-162-306-11		0.01uF	30%	16V
R225	1-247-895-00	CARBON	470K	5%	1/4W		C124	1-164-159-11		0.1uF		50V
D22/	1 247 005 00	CADDON	4701/	E0/	1/4\4/		C125	1-164-159-11		0.1uF	100/	50V
R226 R227	1-247-895-00		470K 470K	5% 5%	1/4W		C126 C127	1-162-286-31		220PF	10% 10%	50V 16V
R227 R228	1-247-895-00 1-249-427-11		6.8K	5% 5%	1/4W 1/4W		0127	1-162-600-11	CLRAIVIIC	4700PF	1070	101
R230	1-249-441-11		100K	5%	1/4W		C128	1-136-165-00	FII M	0.1uF	5%	50V
R271	1-247-895-00		470K	5%	1/4W		C120	1-164-159-11		0.1uF	570	50V
	0,0 00			0	.,		C131	1-126-963-11		4.7uF	20%	50V
R272	1-247-895-00	CARBON	470K	5%	1/4W		C133	1-126-963-11		4.7uF	20%	50V
R273	1-247-895-00		470K	5%	1/4W		C135	1-101-005-00		22000PF		50V
R274	1-247-895-00	CARBON	470K	5%	1/4W							
R275	1-247-895-00	CARBON	470K	5%	1/4W		C136	1-130-491-00	MYLAR	0.047uF	5%	50V
R276	1-247-895-00	CARBON	470K	5%	1/4W		C137	1-126-923-11		220uF	20%	10V
							C138	1-126-964-11		10uF	20%	50V
R277	1-247-895-00		470K	5%	1/4W		C139	1-126-964-11		10uF	20%	50V
R278	1-249-427-11		6.8K	5%	1/4W	F	C140	1-126-964-11	ELECT	10uF	20%	50V
R280	1-249-441-11		100K	5%	1/4W	_		4 404 54 : :	FLEOT	40.5	000:	F.C. /
R291	1-249-416-11		820	5%	1/4W	F	C141	1-126-964-11		10uF	20%	50V
R292	1-249-429-11	CAKRON	10K	5%	1/4W		C142	1-126-923-11		220uF	20%	10V
Dana	1 240 414 11	CADDON	020	E0/	1////	г	C146	1-136-165-00		0.1uF	5% E%	50V
R293 R294	1-249-416-11 1-249-429-11		820 10K	5% 5%	1/4W		C147 C148	1-136-165-00 1-124-902-00		0.1uF 0.47uF	5% 20%	50V 50V
R294 R295	1-249-429-11		10K 10K	5% 5%	1/4W 1/4W		0140	1-124-702-00	LLLUI	U.4/UF	ZU /0	JU V
11.270	1-247-427-11	CAINDON	TUIN	J /0	1/4 00							
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MAIN

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C149	1-126-963-11	ELECT	4.7uF	20%	50V	C284	1-126-964-11	ELECT	10uF	20%	50V
C151	1-164-159-11	CERAMIC	0.1uF		50V	C301	1-126-964-11	ELECT	10uF	20%	50V
C152	1-164-159-11	CERAMIC	0.1uF		50V	C302	1-126-964-11	ELECT	10uF	20%	50V
C165	1-126-163-11	ELECT	4.7uF	20%	50V						
C166	1-162-282-31		100PF	10%	50V	C306	1-126-964-11	ELECT	10uF	20%	50V
						C307	1-162-282-31		100PF	10%	50V
C167	1-124-261-00	ELECT	10uF	20%	50V	C308	1-126-964-11		10uF	20%	50V
C168	1-130-480-00		0.0056uF	5%	50V	C311	1-124-902-00		0.47uF	20%	50V
C169	1-130-473-00		0.0015uF	5%	50V	C312	1-136-172-00		0.39uF	5%	50V
C170	1-126-301-11		1uF	20%	50V	00.2	1 100 172 00		0.074.	0,0	
C177	1-162-600-11		4700PF	10%	16V	C313	1-136-166-00	FILM	0.12uF	5%	50V
0177	1 102 000 11	OLIVIIVIIO	470011	1070	100	C315	1-124-902-00		0.47uF	20%	50V
C181	1-126-963-11	FLECT	4.7uF	20%	50V	C321	1-126-964-11		10uF	20%	50V
C183	1-126-963-11		4.7uF	20%	50V	C322	1-104-664-11		47uF	20%	25V
C185	1-124-902-00		0.47uF	20%	50V	C323	1-164-159-11		0.1uF	2070	50V
C186	1-126-963-11		4.7uF	20%	50V	0323	1-104-137-11	CLIVAIVIIC	o. rui		30 V
C187	1-136-167-00		0.15uF	5%	50V	C324	1-124-902-00	ELECT	0.47uF	20%	50V
C107	1-130-107-00	IILIVI	0.13ul	370	50 V	C324	1-126-964-11		10uF	20%	50V
C188	1-126-962-11	ELECT	3.3uF	20%	50V	C326	1-104-664-11		47uF	20%	25V
C189	1-120-902-11		0.15uF	5%	50V	C327	1-164-159-11		0.1uF	2070	50V
C169				5%		C327				200/	
	1-136-167-00		0.15uF		50V	U328	1-124-902-00	ELECT	0.47uF	20%	50V
C191	1-126-962-11		3.3uF	20%	50V	0220	1 104 044 11	EL ECT	10Γ	200/	EOV.
C192	1-136-167-00	FILIVI	0.15uF	5%	50V	C330	1-126-964-11	ELECT	10uF	20%	50V
0100	1 10/ 0/0 11	FLEOT	4.7	2007	E01/	C331	1-104-664-11		47uF	20%	25V
C193	1-126-963-11		4.7uF	20%	50V	C332	1-164-159-11		0.1uF	000/	50V
C194	1-124-902-00		0.47uF	20%	50V	C333	1-124-902-00		0.47uF	20%	50V
C195	1-126-963-11		4.7uF	20%	50V	C351	1-126-964-11	ELECT	10uF	20%	50V
C196	1-124-902-00		0.47uF	20%	50V	00/4		E. E. E.			= 0.1
C197	1-136-165-00	FILM	0.1uF	5%	50V	C361	1-126-964-11	ELECT	10uF	20%	50V
						C371	1-126-964-11		10uF	20%	50V
C198	1-136-165-00		0.1uF	5%	50V	C372	1-104-664-11		47uF	20%	25V
C199	1-126-967-11	ELECT	47uF	20%	16V	C373	1-164-159-11		0.1uF		50V
C200	1-124-902-00		0.47uF	20%	50V	C374	1-124-902-00	ELECT	0.47uF	20%	50V
C201	1-126-964-11		10uF	20%	50V						
C202	1-126-964-11	ELECT	10uF	20%	50V	C375	1-126-964-11	ELECT	10uF	20%	50V
						C376	1-104-664-11		47uF	20%	25V
C203	1-162-292-31		680PF	10%	50V	C377	1-164-159-11		0.1uF		50V
C205	1-164-159-11	CERAMIC	0.1uF		50V	C378	1-124-902-00		0.47uF	20%	50V
C206	1-162-286-31		220PF	10%	50V	C379	1-126-964-11	ELECT	10uF	20%	50V
C207	1-124-925-11		2.2uF	20%	100V						
C208	1-126-964-11	ELECT	10uF	20%	50V	C380	1-126-964-11	ELECT	10uF	20%	50V
						C381	1-104-664-11		47uF	20%	25V
C209	1-126-964-11	ELECT	10uF	20%	50V	C382	1-164-159-11	CERAMIC	0.1uF		50V
C210	1-162-306-11	CERAMIC	0.01uF	30%	16V	C701	1-126-963-11	ELECT	4.7uF	20%	50V
C211	1-124-903-11	ELECT	1uF	20%	50V	C702	1-162-286-31	CERAMIC	220PF	10%	50V
C212	1-130-489-00	MYLAR	0.033uF	5%	50V						
C213	1-130-473-00	MYLAR	0.0015uF	5%	50V	C703	1-162-286-31	CERAMIC	220PF	10%	50V
						C704	1-126-963-11	ELECT	4.7uF	20%	50V
C214	1-130-489-00	MYLAR	0.033uF	5%	50V	C705	1-162-191-31	CERAMIC	2.2PF	10%	50V
C215	1-126-923-11	ELECT	220uF	20%	10V	C706	1-126-967-11	ELECT	47uF	20%	50V
C216	1-126-923-11	ELECT	220uF	20%	10V	C707	1-136-165-00	FILM	0.1uF	5%	50V
C217	1-164-159-11	CERAMIC	0.1uF		50V						
C230	1-124-903-11	ELECT	1uF	20%	50V	C708	1-130-493-00	MYLAR	0.068uF	5%	50V
						C711	1-124-667-11		10uF	20%	100V
C231	1-136-165-00	FILM	0.1uF	5%	50V	C712	1-124-667-11		10uF	20%	100V
C232	1-124-903-11	ELECT	1uF	20%	50V	C713	1-124-667-11		10uF	20%	100V
C233	1-136-165-00		0.1uF	5%	50V	C714	1-126-923-11		220uF	20%	10V
C234	1-126-964-11		10uF	20%	50V			-			
C281	1-136-165-00		0.1uF	5%	50V	C731	1-126-963-11	ELECT	4.7uF	20%	50V
						C732	1-162-286-31	CERAMIC	220PF	10%	50V
C282	1-124-903-11	ELECT	1uF	20%	50V	C733	1-162-294-31		0.001uF	10%	50V
C283	1-136-165-00		0.1uF	5%	50V	C734	1-104-664-11		47uF	20%	25V
						1					



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
<u> </u>		•						•			
C735	1-162-191-31	CERAMIC	2.2PF	10%	50V	C913	1-126-933-11		100uF	20%	10V
C724	1 10/ 0/7 11	EL ECT	47uF	200/	50V	C914 C915	1-126-933-11		100uF 10uF	20%	10V 50V
C736 C737	1-126-967-11 1-136-165-00		47uF 0.1uF	20% 5%	50V 50V	C915	1-126-964-11 1-126-964-11		10uF 10uF	20% 20%	50V 50V
C737	1-130-103-00		0.1ui 0.068uF	5%	50V 50V	C918	1-126-964-11		10uF	20%	50V
C740	1-126-968-11		100uF	20%	50V	C710	1-120-704-11	LLLCI	Toul	2070	30 V
C740	1-126-964-11		100ui 10uF	20%	50V 50V	C919	1-104-664-11	FLECT	47uF	20%	25V
0711	1 120 701 11	ELLOT	Tour	2070	001	0,1,	1 101 001 11	LLLOI	17 01	2070	201
C742	1-126-964-11	ELECT	10uF	20%	50V			< CONNECTOR >			
C743	1-126-968-11	ELECT	100uF	20%	50V						
C744	1-126-964-11	ELECT	10uF	20%	50V	* CN101	1-568-844-11	SOCKET, CONNEC	TOR 29P		
C751	1-126-963-11	ELECT	4.7uF	20%	50V	CN102		CONNECTOR, BOA			
C752	1-162-286-31	CERAMIC	220PF	10%	50V	CN104		CONNECTOR, BOA			
						CN106		CONNECTOR, BOA			
C753	1-162-286-31		220PF	10%	50V	* CN108	1-766-715-11	CONNECTOR, BOA	RD TO BOA	RD 10P	
C754	1-126-963-11		4.7uF	20%	50V		. ===		DD TO DO!		
C755	1-162-191-31		2.2PF	10%	50V	CN403	1-750-194-11	CONNECTOR, BOA	IRD TO BOA	RD 4P	
C756	1-126-967-11		47uF	20%	50V			DIODE			
C757	1-136-165-00	FILIVI	0.1uF	5%	50V			< DIODE >			
C758	1-130-493-00	MYI AR	0.068uF	5%	50V	D301	8-719-987-63	DIODE 1N4148M			
C781	1-126-963-11		4.7uF	20%	50V	D302		DIODE 1N4148M			
C782	1-162-286-31		220PF	10%	50V	D303		DIODE HZS6B1L			
C783	1-162-286-31		220PF	10%	50V	D304		DIODE HZS6B1L			
C784	1-104-664-11		47uF	20%	25V	D701		DIODE 1S1585			
C785	1-162-191-31	CERAMIC	2.2PF	10%	50V	D702		DIODE 1S1585			
C786	1-126-967-11	ELECT	47uF	20%	50V	D731		DIODE 1N4148M			
C787	1-136-165-00	FILM	0.1uF	5%	50V	D751		DIODE 1S1585			
C788	1-130-493-00		0.068uF	5%	50V	D781		DIODE 1N4148M			
C801	1-126-963-11	ELECT	4.7uF	20%	50V	D821	8-719-987-63	DIODE 1N4148M			
C802	1-162-286-31	CERAMIC	220PF	10%	50V	D822	8-719-987-63	DIODE 1N4148M			
C803	1-162-294-31		0.001uF	10%	50V	D851		DIODE 1N4148M			
C804	1-162-191-31		2.2PF	10%	50V	D852		DIODE 1N4148M			
C805	1-104-664-11		47uF	20%	25V	D853		DIODE 1N4148M			
C806	1-126-964-11		10uF	20%	50V	D901		DIODE D5SBA20			
C807	1-126-964-11		10uF	20%	50V	D902		DIODE D5SBA20	F01		
C808	1-130-493-00		0.068uF	5%	50V	D903		DIODE UZL-9H1			
C821	1-104-664-11		47uF	20%	25V	D904		DIODE UZL-9H1			
C822	1-126-964-11		10uF	20%	50V	D905		DIODE UZL-33H			
C823	1-126-933-11	ELECT	100uF	20%	10V	D909	8-719-933-36	DIODE HZS6B1L			
C824	1-104-664-11	FLECT	47uF	20%	25V			< GROUND TERMI	NAI >		
C825	1-126-964-11		10uF	20%	50V			COROUND TERRIN	10/1L >		
C851	1-162-306-11		0.01uF	30%	16V	* EB701	1-537-738-21	TERMINAL, EARTH	-1		
C901	1-110-592-11		8200uF	99%	71V	LD/01	1 007 700 21	121(VIIIV) (2, 2, 1(1)			
C902	1-110-592-11		8200uF	99%	71V			< IC >			
C903	1-126-955-11		4700uF	20%	35V	IC101		IC M5218AP			
C904	1-126-955-11		4700uF	20%	35V	IC102	8-759-805-14				
C905	1-106-367-00		0.01uF	5%	200V	IC103	8-759-248-74				
C906	1-106-367-00		0.01uF	5%	200V	IC104	8-759-341-23				
C907	1-106-375-12	MYLAR	0.022uF	5%	200V	IC107	8-759-634-51	IC M5218AP			
C908	1-106-375-12	MYI AR	0.022uF	5%	200V	IC108	8-759-634-51	IC M5218AP			
C909	1-126-967-11		47uF	20%	50V	IC109		IC M5218AP			
C910	1-126-967-11		47uF	20%	50V	IC110		IC M5218AP			
C911	1-104-664-11		47uF	20%	25V	IC112	8-759-281-42				
C912	1-104-664-11		47uF	20%	25V	IC113	8-759-281-42				

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Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>	
IC114	8-759-281-42	IC TC9210P		R104	1-249-417-11	CARRON	1K	5%	1/4W	F
IC114		IC MC14066BCP		R104	1-249-417-11		1K	5%	1/4W	
IC120		IC MC14066BCP		103	1-247-417-11	CARDON	IK	370	1/400	'
IC301	8-759-634-51			R106	1-249-417-11	CADRON	1K	5%	1/4W	E
IC701		IC STK4241MK2		R107	1-249-417-11		1K	5%	1/4W	
10701	0-747-010-34	IC STR424TIME		R108	1-249-417-11		1K	5%	1/4W	
IC702	8-749-920-10	IC STK4172MK2		R109	1-249-417-11		1K	5%	1/4W	
IC703		IC LM3875-S		R110	1-249-417-11		1K	5%	1/4W	
IC821		IC uPC1237HA		1110	1217 117 11	O/ II (DOI)	110	070	.,	•
.002.	0 707 111 00			R111	1-249-433-11	CARBON	22K	5%	1/4W	
		< JACK >		R112	1-249-433-11		22K	5%	1/4W	
				R113	1-249-433-11	CARBON	22K	5%	1/4W	
J101	1-766-558-41	JACK, PIN 8P		R115	1-249-437-11	CARBON	47K	5%	1/4W	
		(TAPE REC OUT, CD	/TUNER/PHONO IN)	R116	1-249-415-11	CARBON	680	5%	1/4W	F
J102	1-766-558-31	JACK, PIN 8P								
	(\	/IDEO2 AUDIO IN/OUT, VIDEO 3	AUDIO IN, TAPE IN)	R117	1-247-897-11	CARBON	560K	5%	1/4W	
J103	1-573-028-31	JACK, PIN 4P		R118	1-249-437-11	CARBON	47K	5%	1/4W	
		(VIDEO 1 VIDEO IN/OUT, VID	EO1 AUDIO IN/OUT)	R119	1-249-441-11	CARBON	100K	5%	1/4W	
				R120	1-249-409-11	CARBON	220	5%	1/4W	F
		< COIL >		R121	1-249-425-11	CARBON	4.7K	5%	1/4W	F
L101		INDUCTOR 100uH		R122	1-249-417-11		1K	5%	1/4W	
L102		INDUCTOR 100uH		R123	1-249-417-11		1K	5%	1/4W	
L701		COIL, AIR-CORE		R124	1-249-417-11		1K	5%	1/4W	
L751	1-420-872-00	COIL, AIR-CORE		R126	1-249-428-11		8.2K	5%	1/4W	
				R127	1-249-417-11	CARBON	1K	5%	1/4W	F
		< TRANSISTOR >		D404	4 0 4 0 4 4 4 4 4	OADDON	4001/	F0/	4/04/	
0.4.0.4	/	TD441010T0D DT0404F0		R131	1-249-441-11		100K	5%	1/4W	_
Q104		TRANSISTOR DTC124ES		R133	1-249-427-11		6.8K	5%	1/4W	ŀ
Q105		TRANSISTOR DTC124ES		R134	1-249-441-11		100K	5%	1/4W	
Q106		TRANSISTOR DTC124ES		R140	1-249-441-11		100K	5%	1/4W	г
Q201		TRANSISTOR DTC124ES TRANSISTOR DTC124ES		R141	1-249-417-11	CARBON	1K	5%	1/4W	r
Q231	8-729-900-30	TRANSISTOR DICI24ES		R142	1-249-417-11	CADDON	1K	5%	1/4W	Е
Q281	0 720 000 26	TRANSISTOR DTC124ES		R142	1-249-417-11		1K 1K	5%	1/4W	
Q301		TRANSISTOR DICT24LS		R143	1-249-435-11		33K	5%	1/4W	'
Q331		TRANSISTOR 2SC3623A-LK		R145	1-249-431-11		15K	5%	1/4W	
Q332		TRANSISTOR 2SC3623A-LK		R146	1-249-441-11		100K	5%	1/4W	
Q333		TRANSISTOR 2SC3623A-LK		10140	1 247 441 11	ONINDON	10010	370	17-11	
2000	0 727 111 00	THURSDOTON 20002071 EN		R147	1-249-411-11	CARBON	330	5%	1/4W	
Q381	8-729-141-30	TRANSISTOR 2SC3623A-LK		R148	1-247-903-00		1M	5%	1/4W	
Q382		TRANSISTOR 2SC3623A-LK		R151	1-249-417-11		1K	5%	1/4W	F
Q701		TRANSISTOR 2SC1841-PAFA	NEA	R152	1-249-417-11		1K	5%	1/4W	F
Q731	8-729-140-84	TRANSISTOR 2SC1841-PAFA	NEA	R153	1-249-423-11	CARBON	3.3K	5%	1/4W	
Q751	8-729-140-84	TRANSISTOR 2SC1841-PAFA	ΛEA							
				R154	1-249-417-11	CARBON	1K	5%	1/4W	F
Q781	8-729-140-84	TRANSISTOR 2SC1841-PAFA	NEA	R155	1-249-417-11	CARBON	1K	5%	1/4W	F
Q821	8-729-900-63	TRANSISTOR DTA124ES		R156	1-249-417-11	CARBON	1K	5%	1/4W	F
Q822	8-729-900-36	TRANSISTOR DTC124ES		R157	1-249-417-11	CARBON	1K	5%	1/4W	F
Q823		TRANSISTOR DTA124ES		R158	1-249-417-11	CARBON	1K	5%	1/4W	F
Q824	8-729-119-79	TRANSISTOR 2SC2785-FEK								
				R159	1-249-417-11		1K	5%	1/4W	
Q901		TRANSISTOR 2SD2012		R160	1-249-417-11		1K	5%	1/4W	F
Q902		TRANSISTOR 2SB1094-LK		R165	1-249-437-11		47K	5%	1/4W	_
Q903		TRANSISTOR 2SB1640		R166	1-249-415-11		680	5%	1/4W	F
Q909	8-729-030-18	TRANSISTOR 2SD2525		R167	1-247-897-11	CARBON	560K	5%	1/4W	
		, DECICTOR		D1/0	1 240 427 44	CADDON	471/	E0/	1/414/	
		< RESISTOR >		R168	1-249-437-11		47K	5%	1/4W	
D101	1 240 417 11	CADDON 1V	EO/ 1/4\A/ F	R169	1-249-441-11		100K	5% 5%	1/4W	г
R101 R102	1-249-417-11 1-249-417-11		5% 1/4W F 5% 1/4W F	R170 R176	1-249-409-11 1-249-428-11		220 8.2K	5% 5%	1/4W 1/4W	
R102 R103	1-249-417-11		5% 1/4W F	R176	1-249-428-11		8.2K 1K	5% 5%	1/4W	
1/103	1-247-423-11	OANDON 3.3N	570 1/4WV F	13177	1-247-41/-11	OMINDON	IIX	J /0	1/4VV	1

Ref. No.	Part No.	Description			Remark		Ref. No.	Part No.	<u>Description</u>			Remark	
R181	1-249-441-11	CARBON	100K	5%	1/4W		R354	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R183	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R355	1-249-426-11	CARBON	5.6K	5%	1/4W	
R184	1-249-441-11	CARBON	100K	5%	1/4W		R357	1-249-433-11		22K	5%	1/4W	
R201	1-249-429-11	CARBON	10K	5%	1/4W							.,	
R232	1-249-438-11	CARBON	56K	5%	1/4W		R358	1-249-437-11	CARBON	47K	5%	1/4W	
NZSZ	1 247 430 11	ONNEON	3010	370	17 7 7 7		R359	1-249-441-11	CARBON	100K	5%	1/4W	
R233	1-249-432-11	CARBON	18K	5%	1/4W		R360	1-249-437-11		47K	5%	1/4W	
	1-247-883-00	CARBON			1/4W			1-249-429-11				1/4W	
R234			150K	5%		_	R361			10K	5%		_
R235	1-249-416-11	CARBON	820	5%	1/4W	ŀ	R362	1-249-417-11	CARBON	1K	5%	1/4W	ŀ
R236	1-247-899-11	CARBON	680K	5%	1/4W								
R237	1-249-441-11	CARBON	100K	5%	1/4W		R363	1-249-429-11		10K	5%	1/4W	
							R381	1-249-441-11	CARBON	100K	5%	1/4W	
R282	1-249-438-11	CARBON	56K	5%	1/4W		R382	1-249-421-11		2.2K	5%	1/4W	F
R283	1-249-432-11	CARBON	18K	5%	1/4W		R383	1-249-429-11	CARBON	10K	5%	1/4W	
R284	1-247-883-00	CARBON	150K	5%	1/4W		R384	1-249-441-11	CARBON	100K	5%	1/4W	
R285	1-249-416-11	CARBON	820	5%	1/4W	F							
R286	1-247-899-11	CARBON	680K	5%	1/4W		R385	1-249-421-11	CARBON	2.2K	5%	1/4W	F
							R386	1-249-429-11	CARBON	10K	5%	1/4W	
R287	1-249-441-11	CARBON	100K	5%	1/4W		R387	1-249-441-11		100K	5%	1/4W	
R301	1-249-417-11	CARBON	1K	5%	1/4W	F	R701	1-249-417-11		1K	5%	1/4W	E
R302	1-249-441-11	CARBON	100K	5%	1/4W		R701	1-249-439-11		68K	5%	1/4W	'
						г	K702	1-249-439-11	CARDUN	OOK	370	1/4 00	
R303	1-249-417-11	CARBON	1K	5%	1/4W		D700	4 0 4 0 4 4 0 4 4	0.4.D.D.O.N.	470	F0/	4 (4)4 (_
R304	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R703	1-249-413-11		470	5%	1/4W	F
							R704	1-249-439-11		68K	5%	1/4W	_
R305	1-249-426-11	CARBON	5.6K	5%	1/4W		R705	1-249-425-11		4.7K	5%	1/4W	
R306	1-249-433-11	CARBON	22K	5%	1/4W		R706	1-249-421-11	CARBON	2.2K	5%	1/4W	
R307	1-249-433-11	CARBON	22K	5%	1/4W		R707	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R308	1-249-433-11	CARBON	22K	5%	1/4W								
R309	1-249-433-11	CARBON	22K	5%	1/4W		R708	1-249-417-11	CARBON	1K	5%	1/4W	F
							R709	1-249-417-11	CARBON	1K	5%	1/4W	F
R310	1-247-901-11	CARBON	820K	5%	1/4W		R710	1-249-433-11	CARBON	22K	5%	1/4W	
R311	1-247-807-31		100	5%	1/4W		 ⚠ R711		WIREWOUND	0.1	10%		F
R312	1-249-441-11	CARBON	100K	5%	1/4W		R712	1-249-433-11		22K	5%	1/4W	•
R313	1-247-878-00	CARBON	91K	5%	1/4W		10712	1-247-433-11	CARDON	ZZI	370	17700	
R314	1-249-418-11	CARBON	1.2K	5%	1/4W	Е	R713	1-249-393-11	CARBON	10	5%	1/4W	Е
K314	1-247-410-11	CARDON	1.21	370	1/4 V V	'							
D21F	1 040 407 11	CADDON	. 01/	E0/	1/4\4/	_	R714	1-249-393-11		10	5%	1/4W	
R315	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R715	1-249-393-11		10	5%	1/4W	
R316	1-249-432-11	CARBON	18K	5%	1/4W		R716	1-249-393-11		10	5%	1/4W	
R317	1-249-429-11	CARBON	10K	5%	1/4W		 ⚠ R721	1-249-405-11	CARBON	100	5%	1/4W	F
R318	1-249-429-11	CARBON	10K	5%	1/4W								
R319	1-249-425-11	CARBON	4.7K	5%	1/4W	F	 ⚠ R722	1-249-405-11	CARBON	100	5%	1/4W	F
							R723	1-249-429-11	CARBON	10K	5%	1/4W	
R320	1-249-437-11	CARBON	47K	5%	1/4W		R724	1-247-887-00	CARBON	220K	5%	1/4W	
R331	1-249-441-11	CARBON	100K	5%	1/4W		R725	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R332	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R731	1-249-417-11	CARBON	1K	5%	1/4W	F
R333	1-249-429-11	CARBON	10K	5%	1/4W								
R334	1-249-441-11	CARBON	100K	5%	1/4W		R732	1-249-439-11	CARBON	68K	5%	1/4W	
		07.11.12.01.1		0,0	.,		R733	1-249-413-11		470	5%	1/4W	F
R335	1-249-421-11	CARRON	2.2K	5%	1/4W	F	R734	1-249-439-11		68K	5%	1/4W	
R336	1-249-429-11		10K	5%	1/4W		R735	1-249-421-11			5%	1/4W	Е
										2.2K			
R337	1-249-441-11		100K	5%	1/4W	_	R736	1-249-421-11	CARBUN	2.2K	5%	1/4W	F
R338	1-249-421-11		2.2K	5%	1/4W	r	A 5707		0.155011	414	=0.		_
R339	1-249-429-11	CARBON	10K	5%	1/4W		 ⚠ R737	1-249-417-11		1K	5%	1/4W	
							R738	1-249-417-11		1K	5%	1/4W	F
R341	1-249-437-11		47K	5%	1/4W		R739	1-249-433-11		22K	5%	1/4W	
R342	1-249-437-11	CARBON	47K	5%	1/4W		 ⚠ R740	1-208-602-11	WIREWOUND	0.22	10%	2W	F
R343	1-249-437-11	CARBON	47K	5%	1/4W		R741	1-249-433-11	CARBON	22K	5%	1/4W	
R344	1-249-437-11	CARBON	47K	5%	1/4W								
R351	1-249-417-11		1K	5%	1/4W	F	R742	1-249-393-11	CARBON	10	5%	1/4W	F
- = -		-					 ⚠ R743	1-249-405-11		100	5%	1/4W	
R352	1-249-441-11	CARBON	100K	5%	1/4W		 ⚠ R744	1-249-405-11		100	5%	1/4W	
R353	1-249-417-11		1K	5%	1/4W	F	R751	1-249-417-11		1K	5%	1/4W	
11000	. 217 717 11	C/ II COIN	110	370	1/ T V V	•	11,751	1217 717 11	J. INDON	***	0 70	., -, .,	•

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

MAIN

POWER

Dof No	Dort No	Description			Domark		l Dof No	Don't No	Decemention			Damaauli	
Ref. No.	Part No.	Description			Remark		Ref. No.	Part No.	Description			Remark	
R752	1-249-439-11	CARBON	68K	5%	1/4W		R838	1-249-437-11		47K	5%	1/4W	_
5750		0.4.00.04.1	470	=0.		_	 ≜ R851		METAL OXIDE	68	5%		F
R753	1-249-413-11		470	5%	1/4W	F	R861	1-249-416-11		820	5%	1/4W	
R754		CARBON	68K	5%	1/4W	-	R862	1-249-416-11		820	5%	1/4W	F
R755	1-249-425-11		4.7K	5%	1/4W		R863	1-260-094-11	CARBON	390	5%	1/2W	
R756	1-249-421-11		2.2K	5%	1/4W		A D001	1 215 007 11	METAL OVIDE	15	E0/	21/1/	г
R757	1-249-421-11	CARBON	2.2K	5%	1/4W	r	⚠ R901		METAL OXIDE	15	5%	3W 2W	F F
R758	1-249-417-11	CARBON	1K	5%	1/4W	г	R902 R903	1-249-419-11	METAL OXIDE	220 1.5K	5% 5%	2vv 1/4W	
R756	1-249-417-11		1K 1K	5%	1/4W		R903	1-249-419-11		1.5K 1.5K	5%	1/4W	
R760	1-249-417-11		22K	5%	1/4W	'	R905	1-249-419-11		1.5K 1.5K	5%	1/4W	
Æ R761	1-249-433-11		0.1	10%	2W	F	K 703	1-247-417-11	CARDON	1.3K	370	1/4 00	1
R762	1-249-433-11		22K	5%	1/4W	'	R906	1-249-419-11	CARBON	1.5K	5%	1/4W	F
11702	1 247 400 11	OTTOON	2210	370	17400		 ⚠ R907		METAL OXIDE	1.5K	5%	1W	F
R763	1-249-393-11	CARBON	10	5%	1/4W	F	R908	1-249-427-11		6.8K	5%	1/4W	
R764		CARBON	10	5%	1/4W		R909	1-249-423-11		3.3K	5%	1/4W	
R765	1-249-393-11		10	5%	1/4W		 ⚠ R 921		METAL OXIDE	15	5%		F
R766	1-249-393-11		10	5%	1/4W			. 2.0 700			0,0	0	
R770	1-249-417-11		1K	5%	1/4W		R961	1-247-807-31	CARBON	100	5%	1/4W	
							R962	1-247-807-31		100	5%	1/4W	
R781	1-249-417-11	CARBON	1K	5%	1/4W	F	R964	1-247-807-31	CARBON	100	5%	1/4W	
R782	1-249-439-11		68K	5%	1/4W		R965	1-247-807-31		100	5%	1/4W	
R783	1-249-413-11	CARBON	470	5%	1/4W	F	R966	1-247-807-31		100	5%	1/4W	
R784	1-249-439-11	CARBON	68K	5%	1/4W								
R785	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R967	1-247-807-31	CARBON	100	5%	1/4W	
							R968	1-247-807-31	CARBON	100	5%	1/4W	
R786	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R969	1-247-807-31	CARBON	100	5%	1/4W	
 ⚠ R787	1-249-417-11	CARBON	1K	5%	1/4W	F	R970	1-247-807-31	CARBON	100	5%	1/4W	
R788	1-249-417-11	CARBON	1K	5%	1/4W	F	R971	1-247-807-31	CARBON	100	5%	1/4W	
R789	1-249-433-11	CARBON	22K	5%	1/4W								
 ≜ R790	1-208-602-11	WIREWOUND	0.22	10%	2W	F			< RELAY >				
R791	1 240 422 11	CADDON	22K	5%	1/4\4/		DV0E1	1 755 141 11	DEL AV				
R791 R792	1-249-433-11 1-249-393-11	CARBON	22K 10	5% 5%	1/4W 1/4W	Е	RY851 RY852	1-755-141-11 1-515-920-11					
R801	1-249-393-11		10 1K	5%	1/4W		RY853	1-515-920-11	, ,				
R802	1-249-417-11	CARBON	68K	5%	1/4W	Г	K1000	1-313-920-11	RELAT (24V)				
R803	1-249-413-11		470	5%	1/4W	F			< TERMINAL >				
11000	1 247 413 11	ONINDON	470	370	17400				\ TERRITORE >				
R804	1-249-439-11	CARBON	68K	5%	1/4W		TM801	1-694-055-11	TERMINAL BOARD	O (SP)			
R805	1-249-393-11	CARBON	10	5%	1/4W	F				Γ/ĊEŃTER/W	OOFER S	SPEAKER	RS)
R811	1-249-416-11	CARBON	820	5%	1/4W	F			•				•
R812	1-249-416-11	CARBON	820	5%	1/4W	F			< VIBRATOR >				
R813	1-260-094-11	CARBON	390	5%	1/2W								
							X101	1-579-125-11	VIBRATOR, CERAN	MIC (8MHz)			
R821	1-249-431-11		15K	5%	1/4W								
R822	1-249-429-11		10K	5%	1/4W		*******	******	*********	******	*****	******	**
R823	1-249-439-11		68K	5%	1/4W								
R824	1-249-441-11		100K	5%	1/4W		*	1-661-164-11	POWER BOARD				
R825	1-249-427-11	CARBON	6.8K	5%	1/4W	F			******				
R827	1-249-429-11	CARBON	10K	5%	1/4W				< CAPACITOR >				
R828	1-249-429-11		1K	5%	1/4W	Е			< CAPACITOR >				
R829	1-249-417-11		4.7K	5%	1/4W		↑ C051	1-113-925-11	ELECT	0.01uF	20%	250V	
R831	1-249-425-11		4.7K 33K	5% 5%	1/4W	1	△ C951 C952	1-113-925-11		0.01uF 0.022uF	20% 5%	250V 50V	
R832	1-249-433-11		47K	5%	1/4W		C952	1-130-467-00		1000uF	20%	25V	
11002	1 277 737-11	CARDON	1718	570	1, T V V		C954	1-161-494-00		0.022uF	2070	25V	
R833	1-249-438-11	CARBON	56K	5%	1/4W		C955	1-124-463-00		0.022ui 0.1uF	20%	50V	
R834	1-249-435-11		33K	5%	1/4W		0733	1 124 403-00	LLLUI	J. 101	2070	30 V	
R835	1-249-437-11		47K	5%	1/4W		C956	1-162-306-11	CERAMIC	0.01uF	30%	16V	
R836	1-249-429-11		10K	5%	1/4W		C957	1-162-306-11		0.01uF	30%	16V	
R837	1-249-429-11		10K	5%	1/4W		C958	1-124-907-11		10uF	20%	50V	
							C959	1-162-306-11		0.01uF	30%	16V	
							I						

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

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_	C J	vv	_	ĸ

REAR SP

T-1

T-2

VIDEO

Ref. No.	Part No.	<u>Description</u>			Remark	<u> </u>	Ref. No.	Part No.	<u>Description</u>			Remark
C960	1-164-159-11	CERAMIC	0.1uF		50V		*	1-661-165-11				
		< CONNECTOR >							*****			
							******	**********	******	******	******	******
CN904 CN905		PIN, CONNECTOR PIN, CONNECTOR					*	1-661-166-11	T-2 BOARD			
△ CN906	1-540-061-11	OUTLET, AC (POL	AR)					1 001 100 11	*****			
* CN907	1-568-824-11	SOCKET, CONNEC	TOR 5P					1-533-217-31	HOLDER, FUSE			
		< DIODE >						1-333-217-31	HOLDER, 103L			
D951	8_710_02 <i>I</i> _00	DIODE 11ES2-N	TΔ2R						< CONNECTOR >			
D952		DIODE 11ES2-N					CN902	1-691-774-11	PLUG (MICRO CO	NNECTOR)	12P	
D953 D954	8-719-024-99	DIODE 11ES2-N ⁻¹							< FUSE >			
D955		DIODE 1N4148N							<103L>			
D956	0 710 007 42	DIODE 1N4148M	1				 £ F904 £ F905		FUSE, GLASS TUB FUSE, GLASS TUB			
D930	0-719-907-03	DIODE TN4146IV	1				<u></u> 1 F905 1 1 1 1 1 1 1 1 1 1		FUSE, GLASS TUB			
		< GROUND TERM	INAL >				 ▲ F907	1-533-310-11	FUSE, GLASS TUB	SE 6.3A 125\	/	
EB901	1-537-770-21	TERMINAL BOARI	D, GROUND				******	*********	*******	******	*****	******
		< IC >					*	1 450 412 11	VIDEO BOARD			
		< 10 >					·	1-037-013-11	*****			
IC951	8-759-820-13	IC L78MR06							< CAPACITOR >			
		< TRANSISTOR >										
Q951	0 720 110 70	TRANSISTOR 2S	*C270E LIEE				C335 C336	1-126-963-11 1-126-963-11		4.7uF 4.7uF	20% 20%	50V 50V
Q95 I	8-729-119-78	TRANSISTUR 25	0C2783-HFE				C337	1-126-963-11		4.7uF 4.7uF	20%	50V 50V
		< RESISTOR >					C338	1-124-471-00		1000uF	20%	6.3V
R935	1-249-417-11	CADRON	1K	5%	1/4W	С	C339	1-124-471-00	ELECT	1000uF	20%	6.3V
R952	1-249-417-11		4.7K	5%	1/4W		C340	1-124-471-00	ELECT	1000uF	20%	6.3V
R953	1-249-437-11		47K	5%	1/4W		C341	1-104-656-11		2200uF	20%	6.3V
R954	1-249-429-11	CARBON	10K	5%	1/4W		C342	1-126-963-11	ELECT	4.7uF	20%	50V
		< RELAY >							< CONNECTOR >			
 ≜ RY951	1-515-999-11	RELAY, POWER					CN107	1-770-726-11	CONNECTOR, BOA	ARD TO BOA	RD 6P	
		< TRANSFORMER	!>						< IC >			
 ∆ T951	1_450_361_11	TRANSFORMER, I	PUWEB				IC125	8-750-061-05	IC SN761200N			
		******		ta ala ala ata ata ala ala a	te ale ate ate ale ate at		10123	0-737-001-73				
*****	· * * * * * * * * * * * * * * * * * * *	**********	******	****	r~~~~~	***			< JACK >			
*	1-661-163-11	REAR SP BOARD					J104 J105	1-774-821-11 1-774-821-11	JACK, PIN 3P (VIE)EO 1/2/3 VI	DEO IN)	
							3103	1-774-021-11	(VIDEO 1/2 VIDEO	OUT, MONI	TOR VID	EO OUT)
		< CONNECTOR >							< COIL >			
CN103	1-770-725-11	CONNECTOR, BOA	ARD TO BOA	RD 4P								
		< TERMINAL >					L202	1-408-080-00	INDUCTOR 100u	Н		
TNAOOO	1 527 240 11	TEDMINIAL DOAD!	D (CUECVED	DIVI)					< TRANSISTOR >			
1 IVIOUZ	1-33 <i>1-</i> 240-11	TERMINAL BOARI	ט (טחבטאבא	(REAR S	SPEAKE	RS)	Q202	8-729-119-76	TRANSISTOR 2S	A1175-HFE		
	(NEAR OF EARLING							8-729-119-76	TRANSISTOR 2S	A1175-HFE		
******	*******	*******	********	*******	******	***	Q204	8-729-119-76	TRANSISTOR 2S	A1175-HFE		

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number

VIDEO VIDEO 4

VR

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>	Remark
		< RESISTOR >				*	1-661-167-11	VR BOARD	

R202	1-247-804-11		75	5%	1/4W				
R203	1-247-804-11		75	5%	1/4W			< CONNECTOR >	
R204	1-247-804-11		75 401	5%	1/4W	011404	4 750 405 44	0011150700 00400 70 00400 40	
R205	1-249-429-11		10K 10K	5% 5%	1/4W	CN404	1-750-185-11	CONNECTOR, BOARD TO BOARD 4P	
R206	1-249-429-11	CARBUN	IUK	5%	1/4W			< VARIABLE RESISTOR >	
R207	1-249-429-11	CARBON	10K	5%	1/4W			VARIABLE RESISTOR >	
R208	1-247-804-11		75	5%	1/4W	RV401	1-467-869-11	ENCODER, ROTARY (MASTER VOLUI	ME)
R209	1-247-804-11		75	5%	1/4W				,
R210	1-247-804-11	CARBON	75	5%	1/4W	******	******	*********	*****
R211	1-247-807-31	CARBON	100	5%	1/4W				
								MISCELLANEOUS	
R212	1-247-807-31		100	5%	1/4W			******	
R213	1-247-807-31		100	5%	1/4W				
R214	1-247-807-31		100	5%	1/4W	17		WIRE (FLAT TYPE) (5 CORE)	
R215	1-247-807-31		100	5%	1/4W	19		WIRE (FLAT TYPE) (29 CORE)	
R216	1-247-807-31	CARBON	100	5%	1/4W	106 109		WIRE (FLAT TYPE) (5 CORE)	
******	*****	*********	******	*****	*****			WIRE (FLAT TYPE) (29 CORE) CORD, POWER	
						2!\CINF 90 I	1-090-009-21	CORD, FOWER	
*	1-659-607-11	VIDEO 4 BOARD				 ▲ F904	1-533-310-11	FUSE, GLASS TUBE (6.3A 125V)	
		******				 ▲ F905	1-533-310-11	FUSE, GLASS TUBE (6.3A 125V)	
						 ▲ F906	1-533-310-11	FUSE, GLASS TUBE (6.3A 125V)	
		< CAPACITOR >				 ▲ F907		FUSE, GLASS TUBE (6.3A 125V)	
						FL401	1-517-513-11	INDICATOR TUBE, FLUORESCENT	
C132	1-164-159-11	CERAMIC	0.1uF		50V	A T001	1 400 450 11	TDANICEODMED DOWED	
		< CONNECTOR >				<u></u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-429-458-11	TRANSFORMER, POWER	
		< CONNECTOR >				*******	******	************	******
CN105	1-770-831-11	CONNECTOR, BOA	ARD TO BOA	ARD 6P					
							ACCESSORIES	& PACKING MATERIALS	
		< JACK >					******	*********	
1107	1 770 240 11	IACK DI OCK DIN	/I TVDE) 21	n			1 472 /24 11	COMMANDED CTANDADD (DM III//	1\
J106	1-770-340-11	JACK BLOCK, PIN	, ,		IO/VIDEO IN)			COMMANDER, STANDARD (RM-U66 MANUAL, INSTRUCTION (ENGLISH)	1)
			(VIDEO	4 AUD	IO/VIDEO III)	*	4-980-414-01		
		< RESISTOR >						COVER, BATTERY (FOR RM-U661)	
		(NESISTOR >				*		INDIVIDUAL CARTON	
R218	1-249-433-11	CARBON	22K	5%	1/4W				
R219	1-249-433-11	CARBON	22K	5%	1/4W	******	******	***********	******
R220	1-247-804-11	CARBON	75	5%	1/4W				

******	*****	***********	******	*****	*****			HARDWARE LIST ************	

						#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 TT(B)	
						#2		SCREW +BVTT 4X6 (S)	
						#3		SCREW +BVTP 3X16 TYPE2 TT(B)	

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.